

LIBRARY USE ONLY
UNIVERSITY OF HAWAII LIBRARY

Hydrobiologia

Editor-in-chief: K. F. Vaas, Ierseke

Editorial Board

**Sv. Björk Lund; A. F. de Bont, Kinshasa; T. V. Desikachary,
Madras; H. B. N. Hynes, Waterloo, Ont.;
T. T. Macan, Ambleside; G. Marlier, Bruxelles;
C. H. Mortimer, Milwaukee; R. Ryhänen, Helsinki;
Vl. Sládeček, Praha; W. R. Taylor, Ann Arbor; L. Tonolli,
Pallanza; M. Uéno, Kyoto**

VOLUME 43

1973

490
49
Dr. W. Junk b.v. Publishers The Hague The Netherlands

VOLUMEN 43

Fasc. 1—2 Pag. 1—272, edit.: 30-10-1973

Fasc. 3—4 Pag. 273—543, edit.: 15-12-1973

INDEX AUTORUM

- | | |
|--------------------------------|-----------------------------|
| ABU-GIDEIRI, Y. B., 415 | LEHMANN, J., 381 |
| ADONI, A. D., 535 | MARSHALL, B. E., 109 |
| AMBORE, N. E., 157 | MATTHEWS, J. R., 231 |
| AUSTIN, A. P., 333 | MCCOLL, R. H. S., 313 |
| BALAKRISHNAN NAIR, N., 13, 443 | METWALLI, A. M., 125 |
| BARBER, W. E., 53 | MOHANDAS, A., 183 |
| BEAVER, O., 1 | MOHSEN, A. F., 125 |
| BOURN, D., 357 | NASR, A. H., 125 |
| BROWN, S. D., 333 | NASR, D. H., 415 |
| CAMPOS, C. H., 301 | O'BRIEN, F. I. O., 137 |
| COCKSON, A., 357 | OTTAVÁ, V., 285 |
| CRONBERG, G., 29 | PIERRE, D., 273 |
| DAYAL, R., 371 | SAKSENA, S. B., 535 |
| DUTHIE, H. C., 231 | SARASWATHY, M., 13 |
| FALCONER, A. C., 109 | SHISHKIN, B. A., 253 |
| FORSYTH, D. J., 313 | SIDDIQUI, A. Q., 429 |
| HANCOCK, F. D., 189 | SLÁDEČEK, V., 263, 264, 265 |
| HAYNES, R. C., 463 | SLADKÁ, A., 285 |
| KENMUIR, D. H. S., 365 | SUBBA RAO, D. V., 77 |
| KEVERN, N. R., 53 | TAYLOR, W. R., 93 |
| KHAN, M., 171 | THAKUR JI, 371 |
| KHAN, R. A., 429 | TIWARI, G. L., 177 |
| KRISHNA PILLAY, K., 443 | VAAS, K. T., 270 |
| KROCHAK, D. K., 137 | VENKATACHARI, S. A. T., 157 |
| KROGIUS, F. V., 45 | WAITE, D. T., 231 |
| KURENKOV, I. I., 39 | WINNER, J. M., 137 |
| LAKIS, S., 235 | WYNNE, M. J., 93 |
| LEENTVAAR, P., 544 | |

CONTENTS

	Pag.
O. BEAVER: Egg Laying Studies on some British Sciomyd Flies (Diptera: Sciomyzidae). <i>Dept. of Biol., Chiang Mai Univ., Thailand</i>	1
M. SARASWATHY & N. BALAKRISHNAN NAIR: The Reproductive Cycle in a Typical Estuarine Mollusc <i>Nausitora hedleyi</i> SCHEPMAN based on a study of the Gonad Index. <i>Dept. of Aquatic Biol. & Fisheries, Univ. of Kerala, Trivandrum-7, India</i>	13
G. CRONBERG: Development of cysts in <i>Mallomonas eoa</i> examined by scanning electron microscopy. <i>Inst. of Limnol., Univ. of Lund, Sweden</i> . ..	29
I. I. KURENKOV: The Biological Cycles of Pelagic Copepods in the lakes of Kamchatka. <i>TINRO, Petropavlovsk-Kamchatskij, USSR</i>	39
F. V. KROGIUS: Population Dynamics of Growth of Young Sockeye Salmon in Lake Dalnee. <i>TINRO, Petropavlovsk-Kamchatskij, USSR</i>	45
W. E. BARBER & N. R. KEVERN: Ecological Factors Influencing Macroinvertebrate Standing Crop Distribution. <i>Dept. Of Fisheries and Wildlife, Michigan State Univ., East Lansing, Michigan, USA</i>	53
D. V. SUBBA RAO: Effects of Environmental Perturbations on Short-Term Phytoplankton Production off Lawson's Bay, A Tropical Coastal Embayment. <i>Dept. of Zool., Andhra Univ., Waltair, India</i>	77
M. J. WYNNE & WM. RANDOLPH TAYLOR: The Status of <i>Agardhiella tenera</i> and <i>Agardhiella baileyi</i> (Rhodophyta Gigartinales). <i>Dept. of Bot., The Univ. of Texas at Austin, Austin, Texas 78712, USA</i>	93
B. E. MARSHALL & A. C. FALCONER: Eutrophication of a Tropical African Impoundment (Lake McIlwaine, Rhodesia). <i>Div. of Biol. Sci., Univ. of Rhodesia, Mount Pleasant, Rhodesia</i>	109
A. F. MOHSEN, A. H. NASR & A. M. METWALLI: Effect of Different Light Intensities on Growth, Reproduction, Amino Acid Synthesis, Fat and Sugar Contents in <i>Ulva Fasciata</i> DELILE. <i>Bot. Dept. Alexandria Univ., Egypt</i>	125
F. I. O-BRIEN, J. M. WINNER & D. K. KROCHAK: Ecology of <i>Diaptomus leptopus</i> s.a. FORBES 1882 (Copepoda: Calanoida) under Temporary Pond Conditions. <i>Dept. of Biol., Univ. of Windsor, Ontario, Canada</i> ...	137
S. A. T. VENKATACHARI & N. E. AMBORE: Effect of Sex and Size on the Protein Composition in the Tissues of the Freshwater Crab, <i>Paratelphusa</i> (Banytelphusa) guerini Milne Edwards. <i>Dept. of Zool., Yeshwant Mahavidyalaya Nanded (Maharashtra) India</i>	157
M. KHAN: On edible <i>Lemanea</i> Bory de St Vincent - a fresh water red alga from India. <i>Dept. of Bot., D.A.V. post-graduate Coll., Dehra Dun, India</i>	171
G. L. TIWARI: On a new species of <i>Hapalosiphon</i> (NAEGELI Myxophyceae). <i>Bot. Dept., Univ. of Allahabad, Allahabad-2.</i>	177
A. MOHANDAS: <i>Transversotrema Chackai</i> sp. Nov, adult of <i>Cercaria Chackai</i> , from Fishes (Digenea: Transversotrematidae). <i>Dept. of Zool., Mar Ivanios Coll., Trivandrum-15, Kerala, India</i>	183
F. D. HANCOCK: Algal Ecology of a Stream Polluted Through Gold Mining on the Witwatersrand. <i>Dept. of Bot., Univ. of the Witwatersrand, Johannesburg, S. Africa</i>	189
D. T. WAITE, H. C. DUTHIE & J. R. MATTHEWS: A Note on Two Liquid Scintillation Fluors Useful for Primary Production work. <i>Dept. of Biol., Univ. of Saskatchewan, Canada</i>	231
S. LAKKIS: Etude des Fluctuations Annuelles des Copépodes et du Phytoplancton dans la Manche et le Golfe de Gascogne par la Méthode	

d'Analyse de la Variance et du Coefficient de Correlation. <i>Dept. of Biol., American Univ. of Beirut, P.O.Box 2361, Beirut, Libanon</i>	235
B. A. SHISHKIN: Seasonal and annual variations in biological regime of lakes in an ultracontinental climate (<i>Trans-Baikal Region of USSR</i>) <i>Siberian Div. of the Soviet Acad. of Sci., USSR</i>	253
LIBRI NOVI	263
ANNOUNCEMENT	272
D. PIERRE: Etude Ecologique Comparée des Populations d'Ostracodes dans deux Etangs de Pisciculture en Haute Belgique. <i>Institut Royal des Sciences naturelles de Belgique, Bruxelles, Belgium</i>	273
A. SLADKÁ & V. OTTAVÁ: Filamentous Organisms in Activated Sludge. <i>Water Res. Inst., Praha, Czechoslovakia</i>	285
H. CAMPOS C: Migration of <i>Galaxias maculatus</i> (Jenyns) (Galaxiidae, Pisces) in Valdivia Estuary, Chile. <i>Universidad Austral de Chili, Instituto de Zoologia, Valdivia, Chili</i>	301
R. H. S. MCCOLL & D. J. FORSYTH: The Limnology of a Thermal Lake: Lake Rotowhero, New Zealand: 1. General Description and Water Chemistry. <i>Ecol. Div., Dept. of Sci. and Industrial Res., Lower Hutt, New Zealand</i>	313
S. D. BROWN & A. P. AUSTIN: Diatom Succession and Interaction in Littoral Periphyton and Plankton. <i>Dept. of Biol., Univ. of Victoria, Victoria, Canada</i>	333
A. COCKSON & D. BOURN: Protease and Amylase in the digestive tract of <i>Barbus paludinosus</i> . <i>Lake Chilwa Res. Project, Chancellor Coll., Limbe, Malawi</i>	537
D. H. S. KENMUIR: Observations on a Breeding Pair of <i>Tilapia rendalli</i> <i>rendalli</i> BOULENGER 1896 in an Experimental Tank at Lake Kariba Fisheries Research Institute. <i>Lake Kariba Fisheries Research Institute, Dept. Nat. Parks and Wildlife Management, Rhodesia</i>	365
R. DAYAL & THAKUR JI: Observations On Nuclear Division in Vegetative Hyphae of Aquatic Fungi. <i>Dept. of Plant Pathol., Banaras Hindu Univ., Varanasi, India</i>	371
J. LEHMANN: Systematische und phylogenetische Studie über die Gattungen <i>Thienemanniola</i> KIEFFER und <i>Corynocera</i> ZETTERSTEDT (Diptera, Chironomidae). <i>Landesanstalt für Fischerei, Nordrhein-Westfalen, Albaum, B.R.D.</i>	381
Y. B. ABU-GIDEIRI & D. H. NASR: Sound Production by <i>Synodontis schall</i> (BLOCH-SCHNEIDER). <i>Dept. of Zool., Univ. of Khartoum, Sudan</i>	415
R. A. KHAN & A. Q. SIDDIQUI: Food Selection by <i>Labeo Rohita</i> (HAM.) and its Feeding Relationship with Other Major Carps. <i>Dept. of Zool., Aligarh Muslim Univ., India</i>	429
K. KRISHNA PILLAY & N. BALAKRISHNAN NAIR: Observations on the Incidence and Seasonal Fluctuations of Certain Crustacean Larvae in the Plankton of the South-West Coast of India. <i>N.S.S. Coll., Pandalam, Kerala State, India</i>	443
R. C. HAYNES: Some ecological effects of artificial circulation on a small eutrophic lake with particular emphasis on phytoplankton. I. Kezar Lake experiment, 1968. <i>Dept. of Zool., Univ. of New Hampshire, Durham, New Hampshire</i>	463
C. THIA-ENG: An Ecological Study of the Ponggol Estuary in Singapore. <i>Fisheries Biol. Unit, Zool. Dept., Univ. of Singapore</i>	505
S. B. SAKSENA & A. D. ADONI: Diurnal Variation in Sagar Lake, Sagar (India) I. Studies In The Deep Water Area. <i>Dept. of Bot., Univ. of Sagar, Sagar (M.P.) India</i>	535
LIBRI NOVI	544